

2003 ACTION PLAN

Sustainable Honolulu

Introduction

Sustainable Honolulu plans to increase energy efficient (EE) and resource efficient (RE) measures in City & County of Honolulu projects. Mayor Jeremy Harris has a vision to make Oahu a sustainable island in the following key areas: economy, transportation, land use, energy and natural resources. In the area of energy, Harris wants to reduce demand and increase the use of renewables. He signed a new City Energy Code into law mandating energy efficiency in all new construction. This change will save over \$300 million in energy costs over two decades. The Mayor's goal is to reduce the energy demand in City facilities by 50 percent by the year 2010. Meeting this goal will help Hawaii to rely less on imported oil, diversify its economy, and serve as an international model for sustainability.

Priorities, Goals, and Partners

A. Partnership Priorities

- To have the City hold a series of community forums to discuss aspects of sustainability, bring in nationally recognized speakers, build community consensus on a long-range vision, and develop a plan based on that vision.
- To update the City Energy Code to ASHRAE 90.1 2001 Standard with Hawaii amendments and possible California Code additions.
- To get the City to commit to buy a percentage of power from "green power" sources.
- To create a Solar City Hall at Kapolei which would include a PV parking lot design and engineering study and subsequent construction.
- To promote the Honolulu Million Solar Roofs Initiative that will provide solar water heating for low and moderate-income families.
- To develop a bill for adoption of LEED or Green Building Standards for City construction projects.
- To promote biogas utilization at landfills and wastewater treatment plants.
- To expand the City's Green Fleets Initiative by adopting a fleet energy efficiency procurement policy and expanded biodiesel usage.
- To develop City-wide energy performance contracting for City buildings.
- To audit an existing Energy Star purchasing program.
- To encourage sustainable agriculture through an Irrigation Demand Side Management program.
- To publicize success that will help to increase awareness of the benefits of energy and resource efficiency.

B. Partnership Goals:

Sustainable Honolulu's goal is to reduce electrical demand in over 5.1 million square feet of City facilities by 50% by the year 2010.

C. Potential Partners

University of Hawaii School of Architecture (UH SOA)

Department of Business Economic Development and Tourism (DBEDT)

The Gas Company
Hawaiian Electric Company (HECO)
U.S. Department of Energy
National Labs
American Institute of Architects
Building Industry Association
Sierra Club
Outdoor Circle

Candidate Buildings

Candidate buildings would include all city buildings (5,159,000 sq. ft.), including treatment plants. The partnership will also target new commercial and residential construction as well as major renovations.

Resources, Financing and Responsibilities

1. Staff Resources and Technical Expertise

The Mayor and Managing Director will take the lead in directing the Sustainable Honolulu initiative with support from Cabinet members and staff. Steve Holmes, City Energy Coordinator, who is also the President of the Rebuild Hawaii Consortium, will be the main contact for activities related to this Rebuild America Action Plan.

The partnership will investigate setting up additional support beyond the existing energy coordinator position to facilitate communications, grant writing, and reporting. Technical expertise and assistance will be sought through the Rebuild America Program and through partnering with other Rebuild Partners.

2. Financing

Funding will come from the City Budget, energy financing, and grant opportunities.

3. Responsibilities

The City has created a new energy coordinator position at a Cabinet level to champion the Sustainable Honolulu effort. It will coordinate efforts with other Rebuild America partners. Efforts will be made to send a partnership representative to Rebuild America and Rebuild Hawaii Consortium meetings.

Monitoring and Evaluating Results

The Rebuild Hawaii Consortium gathers data on energy savings and partnership activities twice a year. The data follows Rebuild America's data collection requirements. Sustainable Honolulu will provide updated information on partnership activities, accomplishments, status of energy-efficiency projects and energy savings and other information as needed.

Promoting the Program

A marketing plan has been developed separately under the Rebuild Hawaii Consortium and will be used as the basis of promotion of projects related to this Action Plan.